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(54) DRUG DELIVERY SYSTEM FOR SUBCONJUNCTIVAL ADMINISTRATION OF FINE PARTICLE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an excellent drug delivery system to eye posterior portions.

SOLUTION: A subconjunctival injection contains fine particles containing a medicine and can transfer the medicine to the eye posterior portions. The administration of the fine particles containing the medicine enables the efficient delivery of the medicine to the eye posterior portions (retina, choroidea, optic nerve) in a state hardly damaging ocular tissues. The fine particles are preferably formed from a synthetic biodegradable polymer, have an average particle diameter of 50 nm to 150  $\mu$ m, and contain the medicine homogeneously dispersed in the fine particles. The medicine is preferably an anti-inflammatory agent, an immunosuppressant, an antiviral agent, an anticancer agent, a neovascularization inhibitor, an optic nerve protector, an antibacterial agent or an antifungal agent.

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